

# NVIDIA® Quadro® K5000 Sync

VCQK5000SYNC-PB

DVI-I DL + DVI-D DL + DP 1.2 + DP 1.2 + Stereo

## Bringing new levels of flexibility and scalability to ultra-high resolution displays and visualization clusters.

Combining the power of the NVIDIA Kepler™ architecture-based NVIDIA Quadro K5000 and the NVIDIA Quadro Sync board, the NVIDIA® Quadro® K5000 Sync delivers Frame Lock, Genlock and sophisticated programmable graphics for industrial, visualization and collaborative applications. This professional visualization turnkey solution is ideal for advanced multi-system visualization and multi-device film and video environments.

The NVIDIA Quadro Sync board included as part of this turnkey solution allows you to synchronize up to four Quadro K5000 GPUs and up to 16 displays or projectors per system. NVIDIA Mosaic™ technology support allows any application to scale across synchronized displays or projectors. Features like Projector Overlap and an integrated geometry and intensity adjustment give you pixel-accurate display surfaces.

### NVIDIA® Quadro® K5000 Sync supports Windows 7 and Linux, providing a robust system that lets you:

- Keep multi-projector systems or video walls free of imaging artifacts without impacting performance
- Align inputs for multi-input display devices like 4K projectors or panels
- Keep stereoscopic 3D displaying properly across multiple systems
- Align displays or projectors to an external timing source

### **Package Includes:**

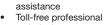
- NVIDIA Quadro K5000 professional graphics board
- Stereo connector bracket
- Two DisplayPort to DVI-D SL adapters
- DVI-I to VGA adapter
- NVIDIA Quadro Sync board
- Four ribbon connector cables Six cable retention clips
- Driver DVD for Windows 7, Vista, and XP SP3 (32- and 64-bit)
- Printed QuickStart Guides (for Quadro K5000 & Quadro Sync)

#### **PNY Advantage:**









technical support

**Dedicated Field** Application Engineers

PNY provides unsurpassed service and commitment to its professional graphics customers. In addition, PNY delivers a complete solution including the appropriate adapters, cables, brackets, driver CD and documentation to ensure a quick and successful install.



Display Connectors

4GB GDDR5 **GPU Memory** Memory Interface 256-bit Memory Bandwidth 173 GB/s

System Interface PCI Express 2.0 x16 122W Maximum Power Consumption

18W Idle Power **Energy Star Enabling** Yes

Thermal Solution Ultra-quiet active fansink Form Factor 4 376" H x 10 50" L Dual Slot

1536

DisplayPort 1.2 DisplayPort with Audio

**DVI-D Single-Link Connector** Via included adapters VGA Support Via included adapter

**Number of Displays Supported** 

Maximum DP 1.2 Resolution 3840 x 2160 at 60Hz Maximum DVI-I DL Resolution 2560 x 1600 at 60Hz Maximum DVI-I SL Resolution 1920 x 1200 at 60Hz Maximum VGA Resolution 2048 x 1536 at 85Hz

**HDCP Support** 

Professional 3D Support Yes, via included stereo connector bracket Graphics APIs Shader Model 5.0, OpenGL 4.3, DirectX 11

Compute APIs CUDA, DirectCompute, OpenCL NVIEW Yes

Mosaic Mode Yes (Windows 7, and Linux)

NVIDIA 3D Vision and 3D Vision Pro Yes

Rns J45 Frame Lock + Quadro Sync Connectors RJ45 Frame Lock + BNC Genlock

Quadro Sync Thermal Solution

Quadro Sync System Interface

Any available PCIe or PCI expansion slot Quadro Sync Power 6-pin or SATA power cable

Warranty 3 Years

PNY Part Number VCOK5000SYNC-PB

For more information visit: www.pny.com/quadro

